PATENT

JEVIE UNITED STATES PATENT AND TRADEMARK OFFICE

§

\$ \$ \$ \$ \$ \$

8

§ §

In re Application of:

Wellington, et al.

Serial No.: 09/841,127

Filed: April 24, 2001

For:

IN SITU THERMAL PROCESSING

OF A COAL FORMATION TO PRODUCE A SELECTED GAS

MIXTURE

Examiner: Unknown

Group Art Unit: 3672

Atty. Dkt: 5659-06700

Certificate of Mailing 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the

date below:

Date

ackie Pitre

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 (references A1-A256 and B1) be considered by the Examiner and made of record. Copies of the listed documents are enclosed for the convenience of the Examiner.

Should any fees be required, the Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 50-1505/5659-06700/EBM.

Respectfully submitted,

Eric B. Meyertons Reg. No. 34,876

Attorney for Applicant(s)

CONLEY, ROSE & TAYON, P.C. P.O. BOX 398 AUSTIN, TEXAS 78767-0398 (512) 476-1400 (voice) (512) 703-1250 (facsimile)

FAX RECEIVED

JAN C 7 2002

GROUP 3600

Form PTO-1449 (modified)

List of Patents and Publications For Applicant's Information /

Disclosure Statement

(Use several sheets if necessary)

ATTY. DKT. NO. 5659-06700/TH1992

APPLICANT: Wellington, et al.

FILING DATE: April 24, 2001
U.S. PATENT DOCUMENTS

SERIAL NO. 09/841,127

GROUP: 3672

	CO MART		U.S. PATENT DOCUMENTS		791 .7			
EXAM. NITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
NITIALS_	A1	760,304	05/1904	Butler				
	A2	1,342,741	06/1920	Day				
	A3	1,510,655	10/1924	Clark				
	A4	1.666,488	02/1927	Crawshaw				
	A5	1.913,395	11/1929	Karrick				
	A6	2.423,674	07/1947	Agren				
****	A7	2,444,755	07/1948	Steffen				
	A8	2,466,945	02/1946	Greene				
	A9	2,472,445	06/1949	Sprong				
	A10	2,484,063	10/1949	Ackley				
	A11	2,497,868	02/1950	Dalin				
	A12	2,548,360	04/1951	Germain				
	A13	2,593,477	04/1952	Newman et al.				
	A14	2,595,979	05/1952	Pevere et al.				
	A15	2,630,306	01/1952	Evans				
<u> </u>	A16	2,634,961	04/1953	Ljungstrom			110	
	A17	2,642,943	06/1953	Smith et al.	7 31			
	A18	2,670,802	03/1954	Ackley				
	A19	2,695,163	11/1954	Pearce et al.		<u> </u>		
	A20	2,732,195	01-24-56	Ljungstrom				
	A21	2,734,579	02-14-56	Elkins				
	A22	2,780,449	02-05-57	Fisher et al.				
	A23	2,777,679	01/1957	Ljungstrom	FA	V DEC	EIVED	
	A24	2,780,450	02/1957	Ljungstrom	IΑ	V UEC	LIVED	
	A25	2,786,660	03/1957	Alleman		AN 0.7	2002 —	
	A26	2,789,805	04/1957	Ljungstrom	-			
	A27	2,804,149	08/1957	Kile	G	ROUP	3600	
	A28	2,841,375	07/1958	Salomonsson				
	A29	2,902,270	09/1959	Salomonsson et al.	FILE			
	A30	2,906,337	09/1959	Henning				

EXAMINER:

DATE CONSIDERED:



ATTY. DKT. NO. 5659-06700/TH1992

APPLICANT: Wellington, et al.

FILING DATE: April 24, 2001

SERIAL NO. 09/841,127

GROUP: 3672

		THADES	U.S. PATENT I	DOCUMENTS			
EXAM. NITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A31	2,914,309	11/1959	Salomonsson			
	A32	2,923,535	02/1960	Ljungstrom			
	A33	2,939,689	06/1960	Ljungstrom			
-	A34	2,954,826	10/1960	Sievers			_
	A35	2,974,937	03/1961	Kiel		71	
	A36	2,994,376	08/1961	Crawford et al.			
	A37	2,998,457	08/1961	Paulsen			
	A38	3,004,603	10/1961	Rogers et al.		ļ	
	A39	3,007,521	11/1961	Trantham et al.			
	A40	3,095,031	06/1963	Eurenius et al.			
	A41	3,105,545	10/1963	Prats et al.			
	A42	3,106,244	10/1963	Parker			
	A43	3,110,345	11/1963	Reed et al.			
	A44	3,113,623	12/1963	Krueger			
	A45	3,114,417	12/1963	McCarthy			
	A46	3,131,763	05/1964	Kunetka et al.			
	A47	3,139,928	07/1964	Broussard			
	A48	3,142,336	07/1964	Doscher			
	A49	3,149,672	10/1964	Orkiszewski et al.			
	A50	3,163,745	12/1964	Boston			
	A51	3,164,207	01/1965	Thessen et al.			
	A52	3,182,721	05/1965	Hardy	_ FAX	REC	EIVED
	A53	3,183,675	05/1965	Schroeder			
	A54	3,191,679	06/1965	Miller		AN 07	7002
	A55	3,205,946	10/1965	Prats et al.	GR	DUP!	3600
	A56	3,207,220	10/1965	Williams			

EXAMINER:

A57

A58

3,208,531

3,209,825

DATE CONSIDERED:

Tamplen

Alexander et al.

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent own

10/1965

10/1965

ATTY. DKT. NO. 5659-06700/TH1992

APPLICANT: Wellington, et al.

SERIAL NO. 09/841,127

GROUP: 3672

FILING DATE: April 24, 2001

U.S. PATENT DOCUMENTS

EXAM.	REF.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB	FILING DATE I
XAM. NTIALS_	DES.	DOCUMENT NUMBER	DATE	TVZXIVILO	22,103	CLASS	APPROPRIATE
	A59	3,237,689	03/1966	Justheim			
	A60	3,241,611	03/1966	Dougan		_	
	A61	3,250,327	05/1966	Crider			
<u> </u>	A62	3,267,680	08/1966	Schlumberger			_
	A63	3,284,281	11/1966	Thomas			
	A64	3,338,306	08/1967	Cook			
	A65	3,528,501	09/1970	Parker			
	A66	3,595,082	07/1971	Miller et al.			
	A67	3,973,628	08/1976	Colgate			
	A68	3,992,148	11/1975	Child			
	A69	3,993,132	11/1977	Garrett			
	A70	4,016,239	04/1977	Fenton			
	A71	4,076,761	02/1978	Chang et al.			
	A72	4,089,372	05/1978	Terry			
	A73	4,093,026	06/1978	Ridley			
	A74	4,096,163	06/1978	Chang, et al.			
	A75	4,130,575	12/1978	Jorn et al.			
	A76	4,133,825	01/1979	Stroud et al.			
	A77	4,138,442	02/1979	Chang et al.			
	A78	4,186,801	02/1980	Madgavkar et al.			
	A79	4,250,230	02/1981	Terry			
	A80	4,250,962	02/1981	Madgavkar et al.			
	A81	4,273,188	06/1981	Vogel et al.	rax	REC	IVED 2002 600
	A82	4,274,487	06/1981	Hollingsworth et al.		ANI A	
	A83	4,299,086	11/1981	Madgavkar et al.	3/	ע עיר	2002
	A84	4,299,285	11/1981	Tsai et al.	GR	DUP 2	600 —
	A85	4,359,687	11/1982	Vinegar et al.		J . U	Ψ υ υ
	A86	4,363,361	12/1982	Madgavkar et al.			
<u>.</u> .	A87	4,366,668	01/1983	Madgavkar et al.			
	A88	4,378,048	03/1983	Madgavkar et al.			

EXAMINER:

DATE CONSIDERED:



ATTY. DKT. NO. 5659-06700/TH1992

APPLICANT: Wellington, et al.

SERIAL NO. 09/841,127

GROUP: 3672

FILING DATE: April 24, 2001

TRADE U.S. PATENT DOCUMENTS

EXAM. NITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A89	4,381,641	05/1983	Madgavkar et al.			
	A90	4,398,151	08/1983	Vinegar et al.			
	A91	4,407,973	10/1983	van Dijk et al.			
	A92	4,409,090	10/1983	Hanson et al.			
•	A93	4,444,258	04/1984	Kalmar			
	A94	4,501,445	02/1985	Gregoli			
	A95	4,530,401	07/1985	Hartman et al.			
	A96	4,540,882	10/1985	Vinegar et al			
	A97	4,542,648	10/1985	Vinegar et al.			
	A98	4,570,715	02/1986	Van Meurs et al.			
	A99	4,571,491	02/1986	Vinegar et al			
	A100	4,572,299	02/1986	Vanegmond et al.			
	A101	4,583,046	04/1986	Vinegar et al			
	A102	4,583,242	04/1986	Vinegar et al			N.
	A103	4,594,468	06/1986	Minderhoud			
	A104	4,597,441	07/1986	Ware et al.			
	A105	4,605,680	08/1986	Beuther et al			
	A106	4,613,754	09/1986	Vinegar et al			
	A107	4,616,705	10/1986	Stegemeier et al.			
	A108	4,635,197	01/1987	Vinegar et al			
	A109	4,640,352	02/1987	Vanmeurs et al.	EAL	-	
	A110	4,644,283	02/1987	Vinegar et al	LAX	HFC	EIVED
	A111	4,658,215	04/1987	Vinegar et al		AN 0.7	
	A112	4,663,711	05/1987	Vinegar et al		OUP 3	1002
	A113	4,671,102	06/1987	Vinegar et al	GR	PUP:	8600
	A114	4,716,960	01/1988	Eastlund et al.			700
	A115	4,719,423	01/1988	Vinegar et al.			
	A116	4,728,892	03/1988	Vinegar et al			
	A117	4,730,162	03/1988	Vinegar et al			
	A118	4,743,854	05/1988	Vinegar et al.			

EXAMINER:

DATE CONSIDERED:

ATTY. DKT. NO. 5659-06700/TH1992

APPLICANT: Wellington, et al.

SERIAL NO. 09/841,127

GROUP: 3672

FILING DATE: April 24, 2001
PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE II APPROPRIATE
	A119	4,762,425	08/1988	Shakkottai et al.			
	A120	4,769,602	09/1988	Vinegar et al.			
	A121	4,769,606	09/1988	Vinegar et al			,
_	A122	4,793,656	12/1988	Siddoway et al.			
	A123	4,827,761	05/1989	Vinegar et al			
	A124	4,848,924	07/1989	Nuspl et al			
	A125	4,856,341	08/1989	Vinegar et al		- 111	
	A126	4,860,544	08/1989	Krieg et al.			
	A127	4,866,983	09/1989	Vinegar et al			
	A128	4,884,455	12/1989	Vinegar et al			
	A129	4,886,118	12/1989	Van Meurs et al.			
	A130	4,927,857	05/1990	McShea III et al.	A		
	A131	4,974,425	12/1990	Krieg et al			
	A132	4,983,319	01/1991	Gregoli et al.			
	A133	4,984,594	01/1991	Vinegar et al.			
_	A134	4,987,368	01/1991	Vinegar			
	A135	4,994,093	02/1991	Wetzel et al.			
	A136	5,014,788	05/1991	Puri et al.			6
	A137	5,046,559	10/1991	Glandt			
	A138	5,050,386	09/1991	Krieg et al			
	A139	5,060,287	10/1991	Van Egmond			
	A140	5,060,726	10/1991	Glandt et al.	FA	XRF	CEIVED
	A141	5,065,818	11/1991	Van Egmond			PLIVED
	A142	5,168,927	12/1992	Stegemeier et al.		JAN 0	7 2002
	A143	5,189,283	02/1993	Carl, Jr. et al	G	ROLIE	200-
	A144	5,190,405	03/1993	Vinegar et al		IOUP	3600
	A145	5,207,273	05/1993	Cates et al.			
	A146	5,211,230	05/1993	Ostapovich et al.			
	A147	5,226,961	07/1993	Nahm et al.			
	A148	5,229,583	07/1993	van Egmond et al.			

EXAMINER:

DATE CONSIDERED:



ATTY. DKT. NO. 5659-06700/TH1992

APPLICANT: Wellington, et al.

GROUP: 3672

SERIAL NO. 09/841,127

FILING DATE: April 24, 2001
U.S. PATENT DOCUMENTS

EXAM. NITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A149	5,236,039	08/1993	Edelstein et al.			
	A150	5,255,742	10/1993	Mikus			
	A151	5,297,626	03/1994	Vinegar et al.			
	A152	5,306,640	04/1994	Vinegar et al.			
	A153	5,318,116	06/1194	Vinegar et al			
	A154	5,339,897	08/1994	Leaute			
	A155	5,340,467	08/1994	Gregoli et al.			
	A156	5,349,859	09/1994	Kleppe			
	A157	5,388,640	02/1995	Puri et al			
	A158	5,388,641	02/1995	Yee et al			
	A159	5,388,642	02/1995	Puri et al			. <u></u>
	A160	5,388,643	02/1995	Yee et al			
	A161	5,388,645	02/1995	Puri et al			
_	A162	5,391,291	02/1995	Winquist et al.			
	A163	5,392,854	02/1995	Vinegar et al.		·	
	A164	5,404,952	04/1995	Vinegar et al			
	A165	5,409,071	04/1995	Wellington et al.			
	A166	5,411,089	05/1995	Vinegar et al.			
	A167	5,415,231	05/1995	Northrop et al.			
	A168	5,431,224	07/1995	Laali			
	A169	5,433,271	07/1995	Vinegar et al.		AV DI	CEIVED
	A170	5,437,506	08/1995	Gray		אא חו	CEIVED
	A171	5,439,054	08/1995	Chaback et al.		JAN	7 2002
···	A172	5,454,666	10/1995	Chaback et al.			
	A173	5,497,087	03/1996	Vinegar et al.		GROU	P 3600
	A174	5,498,960	03/1996	Vinegar et al.			
	A175	5,525,322	06/1996	Willms			
	A176	5,553,189	09/1996	Stegemeier et al.			
	A177	5,554,453	09/1996	Steinfeld et al.			
	A178	5,566,756	10/1996	Chaback et al.			

EXAMINER

DATE CONSIDERED:

ATTY. DKT. NO. 5659-06200/TH1992

APPLICANT: Wellington, et al.

FILING DATE: April 24, 2001

SERIAL NO. 09/841,127

GROUP: 3672

PATENT DOCUMENTS

		W & THRE	U.S. PATENT	DOCUMENTS			
EXAM. NITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE II APPROPRIATE
	A179	5,624,188	04/1997	West			
	A180	5,656,239	08/1997	Stegemeier et al.			ļ
	A181	5,676,212	10/1997	Kuckes			
	A182	5,862,858	01/1999	Wellington et al.			
	A183	5,899,269	05/1999	Wellington et al.			
	A184	5,968,349	10/1999	Duyvesteyn et al.			
	A185	5,984,010	11/1999	Elias et al.			
	A186	5,985,138	11/1999	Humphreys			
	A187	5,997,214	12/1999	de Rouffignac et al.			
	A188	6,016,867	01/2000	Gregoli et al.			
	A189	6,016,868	01/2000	Gregoli et al.			
<u> </u>	A190	6,019,172	02/2000	Wellington et al.			
	A191	6,023,554	02/2000	Vinegar et al.			
<u>-</u>	A192	6,056,057	05/2000	Vinegar et al.			
	A193	6,079,499	06/2000	Mikus et al.		ļ. <u></u> .	
	A194	6,085,512	07/2000	Agee et al.			
	A195	6,094,048	07/2000	Vinegar et al.			
	A196	6,102,122	08/2000	de Rouffignac	E	Y DE	\ <u></u>
	A197	6,102,622	08/2000	Vinegar et al.	17	א חבי	EIVED
	A198	6,152,987	11/2000	Ma et al.		JAN 0	7 2002
	A199	6,172,124	01/2001	Wolflick et al.			
	A200	6,173,775 B1	01/2001	Elias et al.		IHOUF	3600
	A201	6,187,465	02/2001	Galloway			
	A202	Re. 30,738	09/1981	Bridges et al.			
			1				

FOREIGN PATENT DOCUMENTS

12/1997

Re. 35,696

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLAT ON YES/NO
	A204	121,737	03/1948	Sweden			
	A205	123,136	11/1948	Sweden			

EXAMINER:

A203

DATE CONSIDERED:

Mikus

JAN 0 3 2002

ATTY. DKT. NO. 5659-06700/TH1992

APPLICANT: Wellington, et al.

GROUP: 3672

SERIAL NO. 09/841,127

FILING DATE: April 24, 2001

		The market	OREIGN PATEN	T DOCUMENTS			
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLAT ON YES/NO
	A206	123,137	11/1948	Sweden			
	A207	123,138	11/1948	Sweden			
	A208	126,674	11/1949	Sweden			
	A209	1,196,594	11/1985	CA			
•	A210	1,253,555	05/1989	CA			
	A211	1,288,043	08/1991	CA			
	A212	156,396	01/1921	GB			
	A213	674,082	06/1952	GB			
	A214	697,189	09/1953	GB			
	A215	1,454,324	11/1976	GB			
	A216	1,501,310	02/1978	GB			
	A217	2,086,416	05/1982	GB			
	A218	1836876	12/1994	SU			
	A219	0570228 B1	09/1996	EP			
	A220	99/01640	01/1999	WO			
	A221	95/06093	03/1995	WO	FAX	(F.T.)	#IV=>
	A222	95/12746	05/1995	WO			<u>'+! </u>
	A223	95/33122	12/1995	WO		JAN U 7	2 02
	A224	95/12742	05/1995	WO	G	ROUP.	2000
•	A225	95/12743	05/1995	WO	- Gi	IOUF.,	3000
	A226	95/12744	05/1995	WO			
	A227	95/12745	05/1995	WO			1
	<u> </u>	OTHER ART (In	cluding Author, Ti	tle, Date, Pertinent Pages	s, Etc.)		<u> </u>
_		Some Effects of Pressure on Oil	l-Shale Retorting," S	Society of Petroleum Engin	eers Journal,	J.H. Bae, Se	eptember, 196
		New in situ shale-oil recovery p	rocess uses hot natu	ral gas; The Oil & Gas Jou	ırnal; May 16,	1966, p. 15	51.
		Evaluation of Downhole Electri Society 37 th Annual Petroleum a Inc., Bosch et al., September 19	and Chemical Indust	g Systems for Paraffin Cor ry Conference, The Institu	itrol in Oil We te of Electrica	ells; Industr ll and Electr	y Applications onics Enginee
		New System Stops Paraffin Bui		gineer, Eastlund et al., Jan	uary 1989, (3	pages).	
		Oil Shale Retorting: Effects of F Campbell et al. In Situ 2(1), 197		nting Rate on Oil Evolution	and Intrapar	ticle Oil De	gradation;

EXAMINER:

DATE CONSIDERED:

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement



ATTY. DKT. NO. 5659-06700/TH1992

APPLICANT: Wellington, et al.

GROUP: 3672

SERIAL NO 09/841,127

isclosure Statemer Jse several sheets	(Francosom)						
osc several sheets	OLGER ART (Cocluding Author, Title, Date, Pertinent Pages, Etc.) The Potential For In Situ Retorting of Oil Shale In the Piceance Creek Basin of Northwestern Colorado: Dougan et a						
	BADE Maritading Author, Thie, Date, 1 et timent 1 ages, Etc.)						
A233	The second of the state of the state in the recember of the hornwestern colorado, bougainet						
	Quarterly of the Colorado School of Mines, pp. 57-72.						
A234	Retoring Oil Shale Underground-Problems & Possibilities; B.F. Grant, Qtly of Colorado School of Mines, pp 39-46						
A235	A235 Molecular Mechanism of Oil Shale Pyrolysis in Nitrogen and Hydrogen Atmospheres, Hershkowitz et al						
	Geochemistry and Chemistry of Oil Shales, American Chemical Society, 5/1983 pp. 301-316.						
A236	he Characteristics of a Low Temperature in Situ Shale Oil; George Richard Hill & Paul Dougan, Quarterly of the						
A237	Colorado School of Mines, 1967; pp. 75-90.						
ALST	Direct Production Of A Low Pour Point High Gravity Shale Oil; Hill et al., I & EC Product Research and Development, 6(1), March 1967; pp. 52-59.						
A238	Refining Of Swedish Shale Oil, L. Lundquist, pp. 621-627.						
A239	10 0 in the state of the state						
4.343	Downstream Facilities, Myron Kuhlman, Society of Petroleum Engineers, June 2000; pp. 1-14.						
A240	Monitoring Oil Shale Retorts by Off-Gas Alkene/Alkane Ratios, John H. Raley, Fuel, Vol. 59, June 1980, pp. 419-4						
A241	The Shale Oil Question, Old and New Viewpoints, A Lecture in the Engineering Science Academy, Dr. Fredrik						
	Ljungstrom, February 23, 1950, published in Teknisk Trdskrift, January 1951 p. 33-40.						
A242)						
	Shale Oil Corp.), IVA, Vol. 24, 1953, No. 3, pp. 118-123.						
A243	Kinetics of Low-Temperature Pyrolysis of Oil Shale by the IITRI RF Process, Sresty et al.; 15th Oil Shale Symposiu						
	Colorado School of Mines, April 1982 pp. 1-13.						
A244	Bureau of Mines Oil-Shale Research, H.M. Thorne, Quarterly of the Colorado School of Mines, pp. 77-90.						
	Application of a Microretort to Problems in Shale Pyrolysis, A. W. Weitkamp & L.C. Gutberlet, Ind. Eng. Chem.						
	Process Des. Develop. Vol. 9, No. 3, 1970, pp. 386-395.						
A246	Oil Shale, Yen et al., Developments in Petroleum Science 5, 1976, pp. 187-189, 197-198.						
A247	The Composition of Green River Shale Oils, Glenn L. Cook, et al., United Nations Symposium on the Development						
	and Utilization of Oil Shale Resources, 1968, pp. 1-23.						
A248							
	American Chemical Society, 1983, pp. 335-351.						
A 249	Geochemistry and Pyrolysis of Oil Shales, Tissot et al., Geochemistry and Chemistry of Oil Shales, American Chem						
1.2.1	Society, 1983, pp. 1-11.						
- A250	A Possible Mechanism of Alkene/Alkane Production, Burnham et al., Oil Shale, Tar Sands, and Related Materials,						
	American Chemical Society, 1981, pp. 79-92.						
A251	The Ljungstroem In-Situ Method of Shale Oil Recovery, G. Salomonsson, Oil Shale and Cannel Coal, Vol. 2,						
•	Proceedings of the Second Oil Shale and Cannel Coal Conference, Institute of Petroleum, 1951, London, pp. 260-28						
A252	Developments in Technology for Green River Oil Shale, G.U. Dinneen, United Nations Symposium on the						
	Development and Utilization of Oil Shale Resources, Laramie Petroleum Research Center, Bureau of Mines, 1968,						
	pp.1-20.						
A253	The Thermal and Structural Properties of a Hanna Basin Coal, R.E. Glass, Transactions of the ASME, Vol. 106, Jur						
	1984, pp. 266-271.						
A254	The Thermal and Structural Properties of the Coal in the Big Coal Seam, R.E. Glass, In Situ, 8(2), 1984, pp. 193-20						
A 255	Investigation of the Temperature Variation of the Thermal Conductivity and Thermal Diffusivity of Coal, Badzioch						
1.233	al., Fuel, Vol. 43, No. 4, July 1964, pp. 267-280.						
4.256	al., Fuel, Vol. 43, No. 4, July 1964, pp. 267-280.						

EXAMINER:

BI

DATE CONSIDERED!

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent own

Proposed Field Test of the Lins Method Thermal Oil Recovery Process in Athabases McMurray Tar Sands, Husky Oil Company.

A256 On the Mechanism of Kerogen Pyrolysis, Alan K. Burnham & James A. Happe, January 10 (184